

ColorRx® PBT-5000RX

Polybutylene Terephthalate

LTL Color Compounders, Inc.

Message:

A biocompatible, high flow Polybutylene Terephthalate for healthcare applications.

General Information			
Features	Biocompatible		
	High Flow		
Uses	Medical/Healthcare Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	50	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 2.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.34	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	57.3	MPa	
Break	25.3	MPa	
Tensile Elongation			ASTM D638
Yield	3.7	%	
Break	140	%	
Flexural Modulus	2390	MPa	ASTM D790
Flexural Strength	79.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	48.9	°C	ASTM D648

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